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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Hatch, et al.

Confirmation No.: 1669

Serial No.: 10/656,956

Art Unit: 3662

Filed: September 5, 2003

Examiner: Phan, Dao Linda

For: *Method for Receiver  
Autonomous Integrity  
Monitoring and Fault Detection  
Elimination*

Attorney Docket No.: 60877-0043-US  
(formerly 9792-0043-999)

October 20, 2004

AMENDMENT AFTER FINAL REJECTION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The enclosed Amendment is in response to the Final Office Action dated August 20, 2004 for the above identified patent application. This response is being filed within 2 months of the office action mailing date.

The Commissioner is hereby authorized to charge any required fee(s) to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310 (order no. 60877-0043). A copy of this sheet is enclosed for such purpose.

IN THE CLAIMS:

Rewrite the pending claims as follows:

1. (Currently amended) A method for identifying a faulty measurement among a plurality of GPS range measurements that are used to determine a state of a discrete-time controlled process, comprising:

computing a plurality of correlation values, each correlation value associated with one of the plurality of GPS measurements obtained by a GPS receiver with respect to a plurality of satellites, each of the plurality of GPS measurements corresponding to one of the plurality of satellites; and